

ABSTRACT

The present invention relates to a metal glass body and to a manufacturing method and apparatus therefor, and the present invention relates to a metal glass body having a specific metal glass texture structure of fine crystals uniformly dispersed throughout a glass phase, to a metal glass body manufacturing method wherein the metal glass body is manufactured by solidifying a molten metal while applying electromagnetic vibrating force thereto to form a metal glass, during which a direct current magnetic field and an alternating current electrical field are applied simultaneously to generate electromagnetic vibration which is exerted on the molten metal, and to an apparatus for manufacturing a metal glass body.

According to the present invention, it is possible to provide a method for manufacturing a novel metal glass body which allows mass production of metal glass members which hold promise as lightweight, highly-strong and highly-functional structural members, along with a metal glass body with a novel metal glass texture structure obtained by this method.